

# INSTRUCTIONS

## RULE 410 ALTERNATIVE ODOR MANAGEMENT PLAN

### Scope

South Coast Air Quality Management District (SCAQMD) Rule 410 regulates odors from transfer stations and material recovery facilities (MRFs). Rule 410(e)(1)(B) allows for the submittal of an Alternative Odor Management Plan (AOMP) to the Local Enforcement Agency (LEA) in lieu of submittal of an Odor Management Plan (OMP) to the SCAQMD. This document provides guidance to owners/operators and LEAs on the AOMP applicability, enforceability, content elements, and approval process. Please note that if an owner/operator does not submit to and receive approval from the LEA for an AOMP, then the facility will be required to submit an OMP to the SCAQMD for approval and subsequent enforcement by the SCAQMD.

### Applicability

Owners or operators of facilities located more than 2,000 feet from any residence, building, or school are not required to submit an AOMP.

### LEA Approval Process

AOMPs submitted to the LEA should be processed as an amendment to the Report of Facility Information pursuant to California Code of Regulations, Title 27, section 21620. See process flow diagram in Appendix B for further detail.

### Enforceability

Each AOMP submitted to a LEA should contain the following statement:

"I am voluntarily submitting this Alternative Odor Management Plan to the Local Enforcement Agency in lieu of submitting an Odor Management Plan to the South Coast Air Quality Management District as required by South Coast Air Quality Management District Rule 410. I agree to abide by the provisions of the Alternative Odor Management Plan and understand that the Alternative Odor Management Plan is subject to enforcement by the Local Enforcement Agency. I understand that I must also comply with any or all applicable state statutes and federal and local rules and regulation, including those provisions relating to public nuisance."

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Name (print)

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Signature

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Date

### Content

SCAQMD Rule 410(g)(3) specifies the content elements for an AOMP. Similar to a Rule 410 OMP, the content elements of an AOMP should depend on a facility's permitted throughput. [Rule 410(a)(15)]

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## Rule 410 AOMP

In addition to the enforceability statement described above, an AOMP should contain one or two main sections as follows:

1. Content Elements - applicable for all facilities with permitted throughput greater than 100 TPD; and
2. Control Strategies - applicable only to facilities with permitted throughputs greater than 250 TPD.

Appendix A also contains supplementary content elements for consideration.

### Content Elements

SCAQMD Rule 410(g)(3) specifies the content elements for an AOMP. These content elements, which apply to all facilities with permitted throughput greater than 100 TPD, include:

- Housekeeping activities for the tipping floor, transfer tunnel, and facility perimeter; and
- Community response procedures, including installation of a contact sign, identification of a Community Coordinator, and protocol for responding to odor complaints from the surrounding community.

#### 1. Housekeeping Activities

Owners or operators are required to identify all housekeeping activities for the tipping floor, transfer tunnel, and facility perimeter. Owners and operators of facilities with a tipping pit should also identify housekeeping practices for the pit.

- a. Describe the method of sweeping or clearing the tipping floor (e.g. by hand with a broom, street sweeper, front-end loader with sweeping head, broom vs. vacuum, etc.) and describe the use of detergents or products intended to neutralize or mask odors. *[Rule 410, Appendix A, 10.a.]*
- b. Describe the method of sweeping the transfer tunnel, and describe the use of detergents or products intended to neutralize or mask odors. *[Rule 410, Appendix A, 10.c.]*
- c. Describe the method of sweeping areas inside and outside of the facility property where trash from transfer or material recovery operations can accumulate, and describe the use of detergents or products intended to neutralize or mask odors. *[Rule 410, Appendix A, 10.d.]*
- d. Describe the method of sweeping or clearing the tipping pit (if applicable), and describe the use of detergents or products intended to neutralize or mask odors. *[Rule 410, Appendix A, 10.b.]*

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Owners or operators should maintain a log of sweeping activities and should make the log available for review upon request.

### 2. Community Response Procedures

- a. The AOMP must indicate that the owner or operator will install or has installed a contact sign. The sign should contain the telephone numbers for the facility, the SCAQMD, and the LEA. The AOMP should include a photograph or drawing of the contact sign, and a description of its location relative to facility entrance. *[Rule 410, Appendix A, 7.]*
- b. The AOMP must identify the Community Coordinator. *[Rule 410, Appendix A, 6.]*
- c. The AOMP must describe the protocol for responding to and resolving odor complaints received from the surrounding community. *[Rule 410, Appendix A, 6.]*
- d. Although not required, the owner or operator should maintain a written log of all odor complaints. Include a copy of a written log used to track odor complaints. *[Rule 410, Appendix A, 8.]*
- e. Although not required, the owner or operator should conduct an odor survey of the surrounding community upon receiving an odor complaint or notification from the LEA or SCAQMD staff. Describe the odor survey procedures. *[Rule 410, Appendix A, 6.]*

### Control Strategies

SCAQMD Rule 410(g)(3) specifies that an AOMP must include information on odor control strategies used on the tipping floor, transfer tunnel, and MRF (if applicable). These control strategies apply to facilities with permitted throughput greater than 250 TPD. Note: For facilities with a permitted throughput greater than 250 TPD and less than or equal to 1,000 TPD, SCAQMD Rule 410 OMP only requires the identification of a control strategy for the tipping floor.

Following are suggestive “Control Strategies” for addressing odors at the tipping floor, transfer tunnel, and MRF. The AOMP should identify and describe the chosen strategy(ies).

Alternatively, the AOMP should indicate whether the facility can demonstrate a minimum buffer zone (e.g. the facility is located more than 1,000 feet from any property zoned for residential or mixed land use as of January 1, 2008, and from any property designated as a site for a school or school under construction as of January 1, 2008). The buffer zone is measured from the side of the odor generating source located nearest to the area zoned for residential or mixed land use, or school site to the closest property line of the receptor).

Table 1 – Suggestive Control Strategies

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Odor Generating Source	Control Strategy
Tipping Floor	TF-1 Operation of a handheld or overhead misting system**; or
	TF-2 Wind barriers surrounding two sides of tipping area, including the side most directly downwind of the prevailing wind* at the facility; or
	TF-3 Partial enclosure, consisting of a permanent roof structure covering the tipping floor and two or more walls that act as a wind barrier; or
	TF-4 Full enclosure, consisting of a permanent roof structure covering the tipping floor and four walls; or
	TF-5 A buffer zone where the facility is located more than 1,000 feet (500 feet if facility throughput is less than 500 TPD) from any property zoned for residential or mixed land use and from any property designated as a site for a school or school under construction; or
	TF-6 Other equivalent odor control method approved by the LEA.
Transfer Tunnel <sup>†</sup>	TT-1 Placement of physical barriers, such as plastic flaps, at the entrance or exit to the transfer tunnel, whichever is more directly downwind of the prevailing wind* at the facility; or
	TT-2 Maximum drop height from the tipping floor into transfer trucks of three feet or less, above the lip of the transfer truck; or
	TT-3 Operation of a misting system** at the entrance or exit to the transfer tunnel, whichever is more directly downwind of the prevailing wind* at the facility; or
	TT-4 A buffer zone where the facility is located more than 1,000 feet from any property zoned for residential or mixed land use and from any property designated as a site for a school or a school under construction; or
	TT-5 Other equivalent odor control method approved by the LEA.
Material Recovery Facility	MRF-1 Operation of a handheld or overhead misting system**; or
	MRF-2 Wind barriers surrounding two sides of tipping area, including the side most directly downwind of the prevailing wind* at the facility; or
	MRF-3 Partial enclosure, consisting of a permanent roof structure covering the material receiving area and two or more walls that act as a wind barrier; or
	MRF-4 Full enclosure, consisting of a permanent roof structure covering the tipping floor and four walls; or
	MRF-5 A buffer zone where the facility is located more than 1,000 feet from any property zoned for residential or mixed land use and from any property designated as a site for a school; or
	MRF-6 Other equivalent odor control method approved by the LEA.
<p>*The prevailing wind is the direction the wind originates from.</p> <p>**Odor maskants or odor neutralizers are any non-toxic odor maskant or odor neutralizer that meets all applicable local, state and federal requirements.</p>	
<p><sup>†</sup>Control options are applicable only to facilities that top-load open-top trucks</p>	

## APPENDIX A

### Supplementary Content Elements For All Facilities

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The following AOMP elements are not required. They are suggested here for consideration. An owner or operator may choose to include these or any other elements as necessary to address site specific conditions.

1. Green Material

Identify and describe the practices the facility utilizes to handle odors generated from the handling and storage of green material. *[Rule 410, Appendix A, 3.]*

2. Recyclable Materials

Identify and describe the method of controlling odors from recycled containers that contained dairy products or other foodstuffs once they are bailed for shipment. *[Rule 410, Appendix A, 5.]*

3. Protocol for Handling Odiferous Loads

Identify and describe the protocol for handling odiferous loads. *[Rule 410, Appendix A, 9.]*

4. Covering of Trucks and Trailers

Identify and describe the practices used to cover transfer trucks and trailers. *[Rule 410, Appendix A, 11.]*

### **Supplementary Content Elements For New Or Expanding Facilities**

1. Buffer Zone

For new and modified facilities that demonstrate that the facility is located greater than 1,000 feet from any property zoned for residential or mixed land use, or designated as a site for a school or a school under construction, and for facilities that choose to demonstrate the buffer zone option in lieu of other control options for green material storage *[Rule 410, Appendix A, Required Elements, Section 3]*, recyclable material storage *[Rule 410, Appendix A, Required Elements, Section 5]* or any applicable Control Strategy, provide the distance in feet to the nearest residence, measured from the side of the odor generating source located nearest to the area zoned for residential or mixed land use to the closest property line of the receptor. Identify any school or school under construction within 1,000 feet of any odor generating source at the facility.

## APPENDIX B

### Alternative Odor Management Plan

#### LEA Approval Process

